Unit 4: Home Practice

Part 1 Triangle Flash Cards: 2s, 3s, and 9s

Study for the quiz on the multiplication facts for the twos, threes, and nines. Take home your Triangle Flash Cards: 2s, 3s, and 9s and the list of facts you need to study.

To use the flash cards, ask a family member to choose one flash card at a time. He or she should cover the corner containing the highest number. This number will be the answer to a multiplication problem. Multiply the two uncovered numbers.

Study the math facts in small groups. Choose eight to ten facts to study each night. Your teacher will tell you when the quiz on the twos, threes, and nines will be.

Part 2 Factors and Primes

1. Is 9 a factor of 72? Explain why or why not.

2. Tell which of the following are prime numbers. If a number is prime, tell how you know. If it is not prime, write it as the product of prime factors.

   A. 13   **B.** 24   **C.** 15   **D.** 29

3. Rewrite the following factorizations using exponents.

   A. $240 = 2 \times 2 \times 2 \times 3 \times 2 \times 5$
   B. $800 = 2 \times 2 \times 2 \times 2 \times 5 \times 2 \times 5$
   C. $2100 = 2 \times 5 \times 3 \times 7 \times 2 \times 5$

4. Write each of the following products without exponents. Then multiply.

   A. $4^2 \times 3^2$ **B.** $3^3 \times 5$ **C.** $4^3 \times 2^2$ **D.** $2^2 \times 3^3$